

REMARKS

Claims 1, 25 and 26 are now active in this application. Method Claim 1 has been amended. Claims 25 and 26 are newly added. Former claims 2-24 have been canceled.

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Re: Submission of a Drawing:

As originally filed this application did not include a drawing. In the final rejection the Examiner required submission of a drawing to avoid abandonment of the application.

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Enclosed is a proposed Drawing which shows the four steps of the currently active Method claims with this amendment. It is submitted that this drawing accurately illustrates the four (4) steps of the method as recited in amended Claim 1. It is submitted that this drawing introduces no new matter and is fully supported by the original specification and claims. Support is discussed in more detail below with regard to the amendments to method Claim 1 and newly added dependent Claims 25 and 26.

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Approval of the proposed drawing is respectfully requested.

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Re: Amendments to the Specification:

The Title has been changed to delete reference to apparatus since the presently active claims are all method claims.

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This case was originally filed without a drawing which is now required. According a heading and reference to figure 1 has been added to the specification. Also, a discussion of figure 1 has been added to page 4 after line 13.

It is submitted that no new matter has been added by the amendments to the specification. Approval of these changes is respectfully requested.

Claim Objections:

Claims 5 and 7 were objected to regarding the typographical error in frequency (33.336 should be 39.336). These objections have been rendered moot with the cancellation of claims 2-24.

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Amendments to Claim 1:

Claim 1 has been amended to more clearly distinguish the present invention over the art newly cited by the examiner. Specifically, as amended, Claim 1 calls for a specific combination of
10 four distinguishing features (i) - (iv) not shown or suggested by the prior art.

The first of these features (i) presents a test to determine if the artifact is one which can be corrected within the principles of the
15 invention, namely "...determining if said artifact is attributable to a periodic signal generate in said television receiver and being of controllable frequency..." This feature is supported by original claim 1
which called for frequency selection and claims 2-3 which refer to the interference source. As noted in the discussion of the method flow
20 chart, the present invention has no application to receivers lacking a source of a controllable periodic signal.

The second feature (ii) comprises "...calculating a value of said periodic signal to be an odd harmonic of $f_h/2$..." This feature, taken
25 alone, is known per se. However, it is a critical starting point in the overall combination for making an initial estimate of the frequency to which the periodic signal is ultimately set after step (iv).

The third feature (iii) comprises "...rounding the calculated value of said periodic signal to an integer number of kHz..." It will be noted that the rounding is very specific, it must be to an integer number of kHz. It is only an integer number of kHz that has been discovered by the present inventor to be effective in artifact reduction in the overall system even though it differs from the interlace value given by the calculation of step (2).

The fourth feature (iv) comprises "...setting said frequency of said periodic signal to be equal to said rounded value." This feature is of critical importance as it represents a kind of feedback function which unifies the separate functions of all four features (i) - (iv) to suppress the appearance of the artifact.

The foregoing four features are not shown or suggested in the prior art and clearly there is no suggestion of the claimed combination of those features.

In view of the foregoing, amended Claim 1 is believed to be clearly allowable over the prior art. Newly added claims 25 and 26 which are directed to specific preferred frequencies are allowable at least for the same reasons as amended Claim 1.

With this amendment the number of independent claims and the total number of claims has been reduced. Accordingly, no additional fee is deemed necessary with regard to amendment of the claims.

The application, as amended, is believed to be in condition for allowance and such action is respectfully requested.

Please address all communications to:
Joseph S. Tripoli
Thomson Multimedia Licensing, Inc.
Post Office Box 5312
Princeton, New Jersey 08543-5312

Respectfully submitted,



Robert D. Shedd, Attorney

Reg. No. 36,269

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Enclosed: Amended Claim 1 With Markings To Show Changes Made.

Petition for extension of time

RCE application

Deposit Account Authorization for Fee Payments

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Proposed Drawing (1 sheet, Figure 1)

Claim 1 Version With Markings To Show Changes Made

1. (Twice Amended) In a television receiver having a line scanned video display with a scan frequency of f_h , a method for
5 reducing the visual effects of an artifact in a line scan portion of said video display, comprising the steps of:

(i) determining if said artifact is [being] attributable to a periodic signal generated in said television receiver and being of controllable frequency; [within the video pass band, and being leaked to a video
10 processing path of a video circuit in said receiver via stray electrostatic/capacitance coupling, the line scan having frequency of f_h , comprising the steps of:]

[selecting the frequency of the periodic signal, and]

(ii) calculating a value for [predetermining] the frequency of said
15 [the] periodic signal to be [and] an odd harmonic of $f_h/2$;

(iii) rounding the calculated value of said periodic signal to an integer number of kHz; and then

(iv) setting said frequency of said periodic signal to be equal to said rounded value.